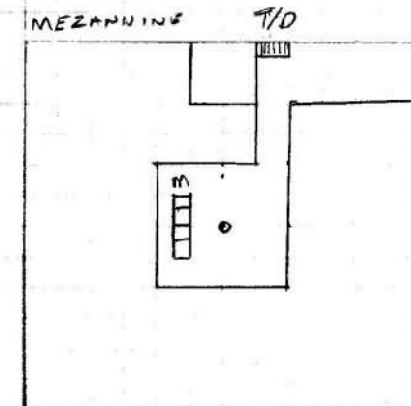
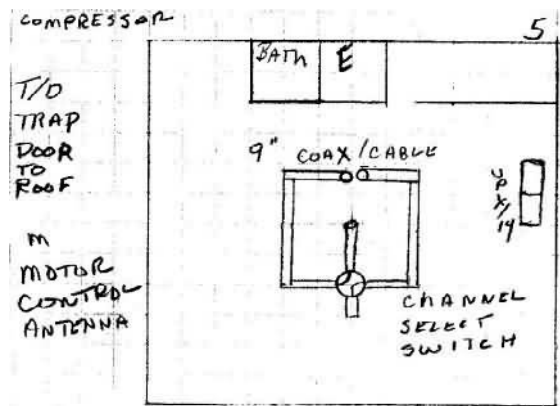
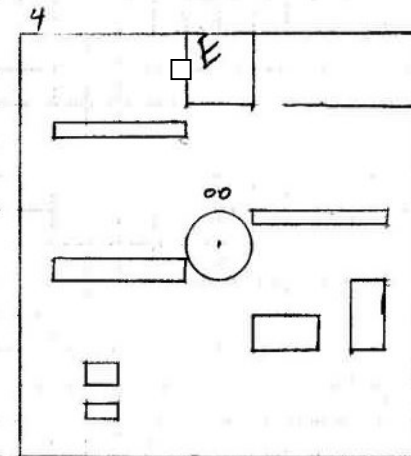
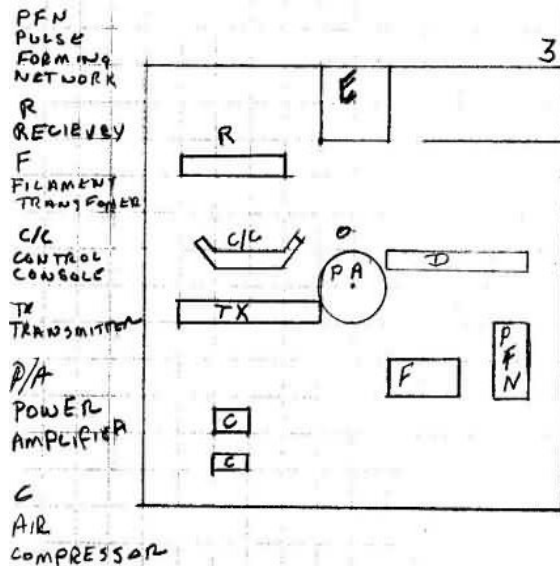
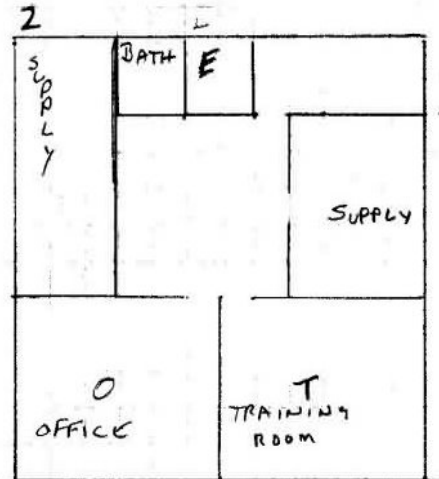
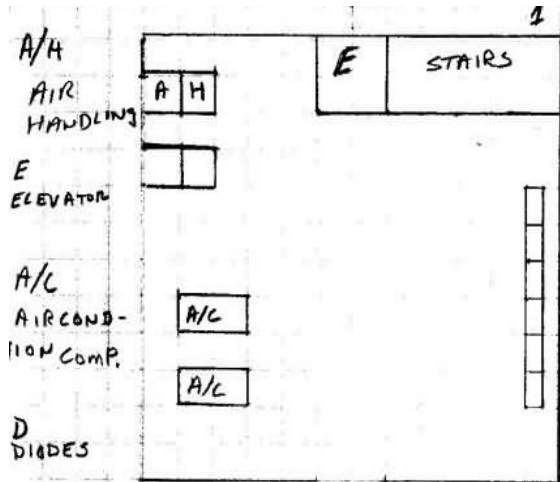


INTERIOR FPS-24 RADAR TOWER EQUIPMENT LAYOUT BY FLOOR

Based on Drawings by StanToler, Jr Winston-Salem AFS

Data Integration by Steve Weatherly Jan 2012

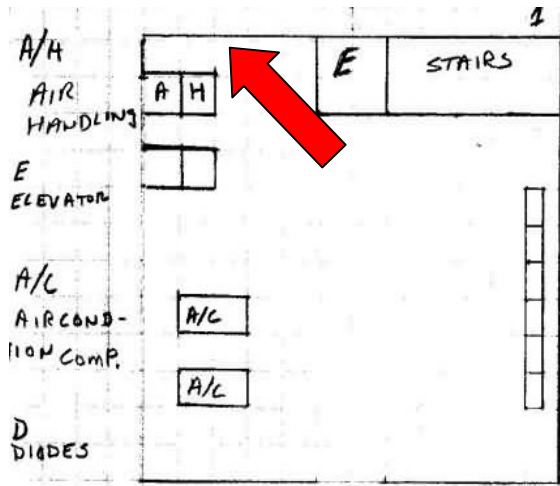


Notes – The top of each floor layout was the south side at Mt Hebo AFS. The FPS-24 AJ Console was located in the Operations Bldg. The FPS-24 radar tower was constructed either of Concrete as at Almaden AFS, or of Steel as at Cottonwood AFS. The tower was 64 feet square and 85 feet tall with 5 floors.

INTERIOR FPS-24 RADAR TOWER EQUIPMENT LAYOUT BY FLOOR

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Data Integration by Steve Weatherly Jan 2012



FIRST FLOOR

The "RED ARROW" indicates the direction the camera was pointing.

"At the rear of the first floor, to the left of the elevator, is a small door to the outside, and to the left beyond that is a very small room at the left rear corner of the first floor. In that room are these control panels (below). The black panel was a door alarm control, and the red panel was apparently part of the fire equipment. The elevator still works."

Comments from Alex Cheek.



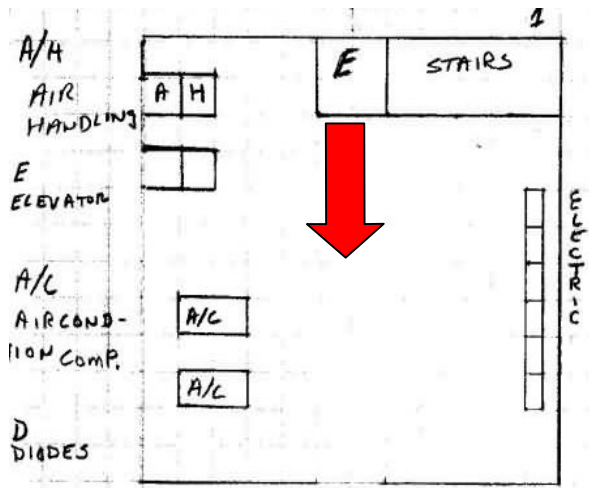
Winston-Salem AFS from Alex Cheek/radomes.org

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FIRST FLOOR

At Mt Hebo AFS the large doorway, shown at the bottom in the layout diagram, exited into a parking and loading area adjacent to the FPS-26A/FSS-7 radar tower.

At Mt Hebo AFS there was a personnel access door to the left of the elevator shown in the layout diagram. This door was connected by an enclosed passageway to the FPS-90 radar tower (left out the door) and to the Operations Area (right out the door).



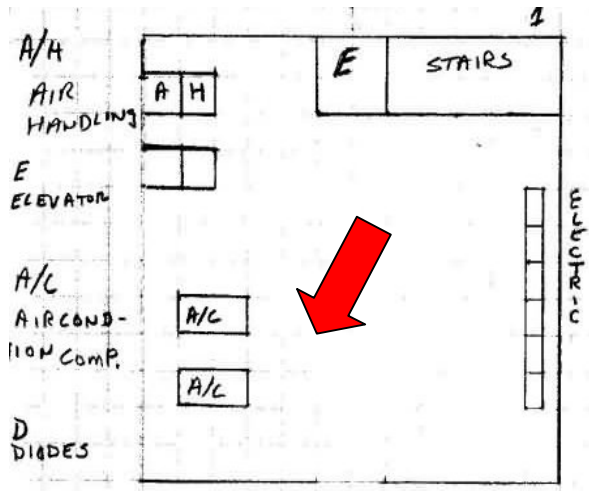
Winston-Salem AFS from Alex Cheek/radomes.org

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Data Integration by Steve Weatherly Jan 2012



FIRST FLOOR

Note the large vehicle access door in the left rear of the photo. In the layout diagram this is the doorway at the bottom.



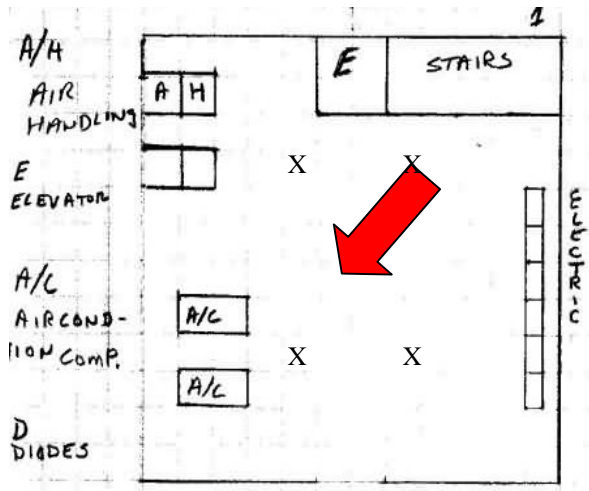
Point Arena AFS from Rick Chinn

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INTERIOR FPS-24 RADAR TOWER EQUIPMENT LAYOUT BY FLOOR

Based on Drawings by StanToler, Jr Winston-Salem AFS

Data Integration by Steve Weatherly Jan 2012



FIRST FLOOR

Locations of support columns are indicated by an "X" and are also found on floors 2 to 5.

Two of these large columns are shown in the photo.



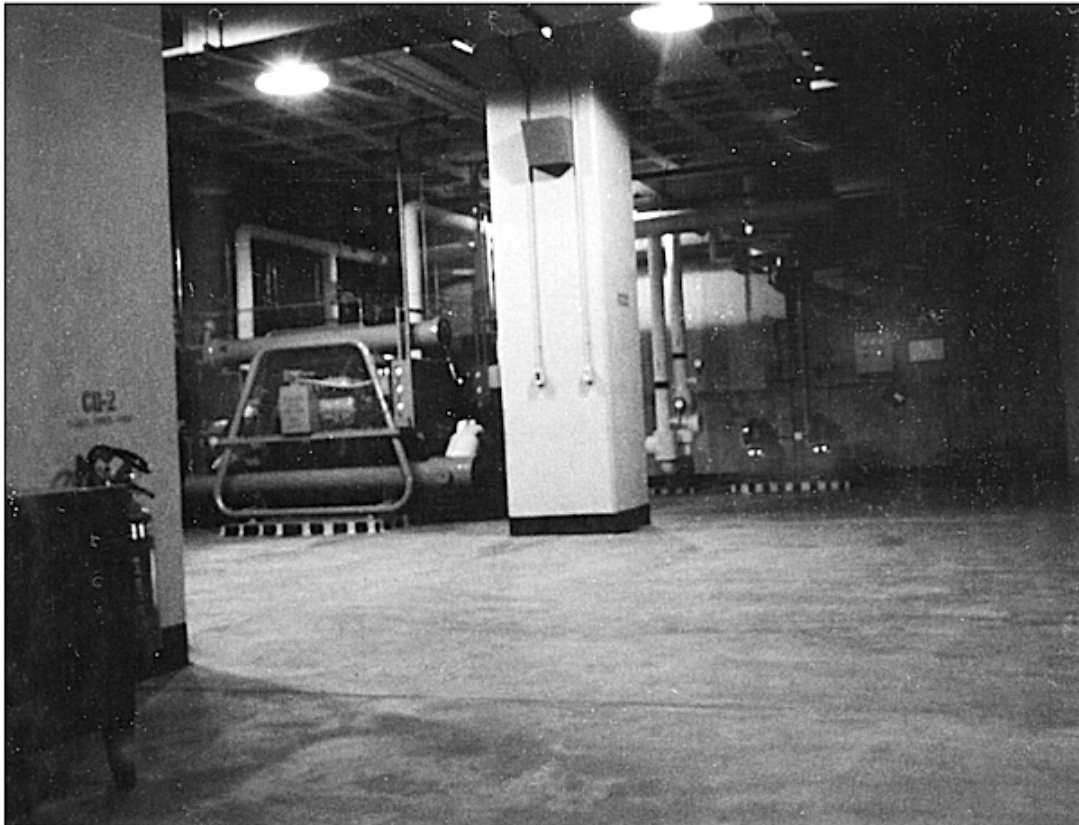
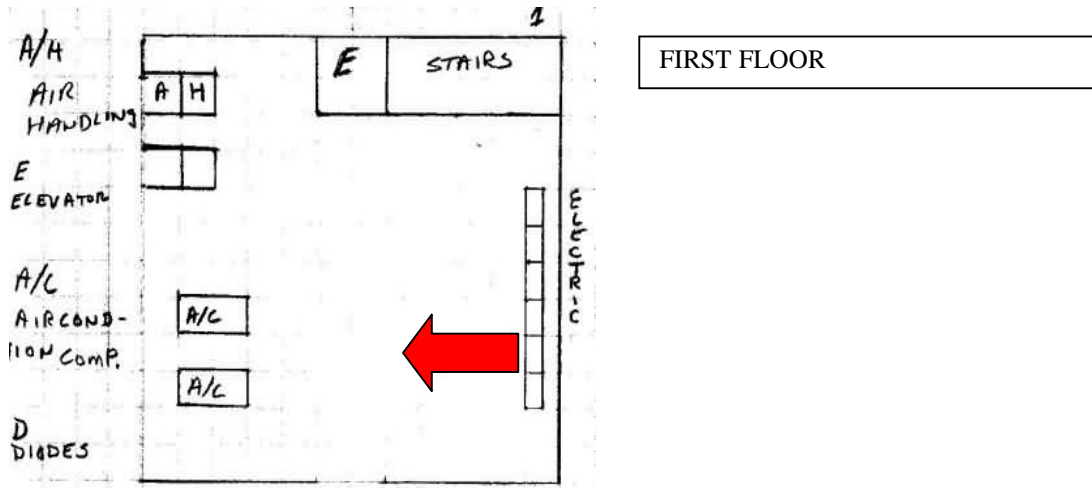
Point Arena AFS from Rick Chinn

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Based on Drawings by StanToler, Jr Winston-Salem AFS

Data Integration by Steve Weatherly Jan 2012



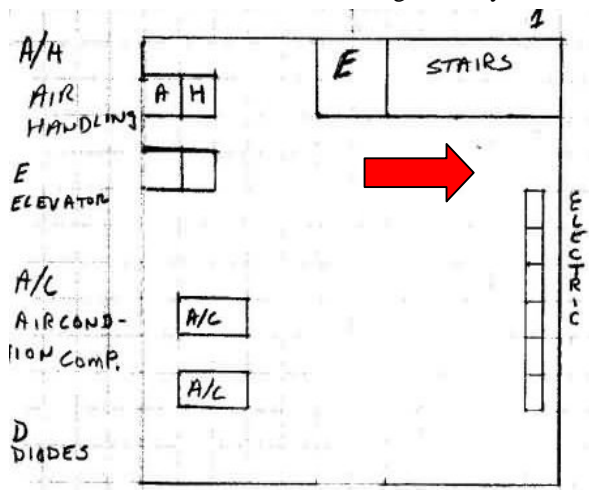
Winston-Salem AFS from John Kessler's 810th AC&W Squadron Web Pages

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INTERIOR FPS-24 RADAR TOWER EQUIPMENT LAYOUT BY FLOOR

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Data Integration by Steve Weatherly Jan 2012



FIRST FLOOR

The door at the left in the photo provides access to the stairwell that goes from the first floor to the trap door in the roof.



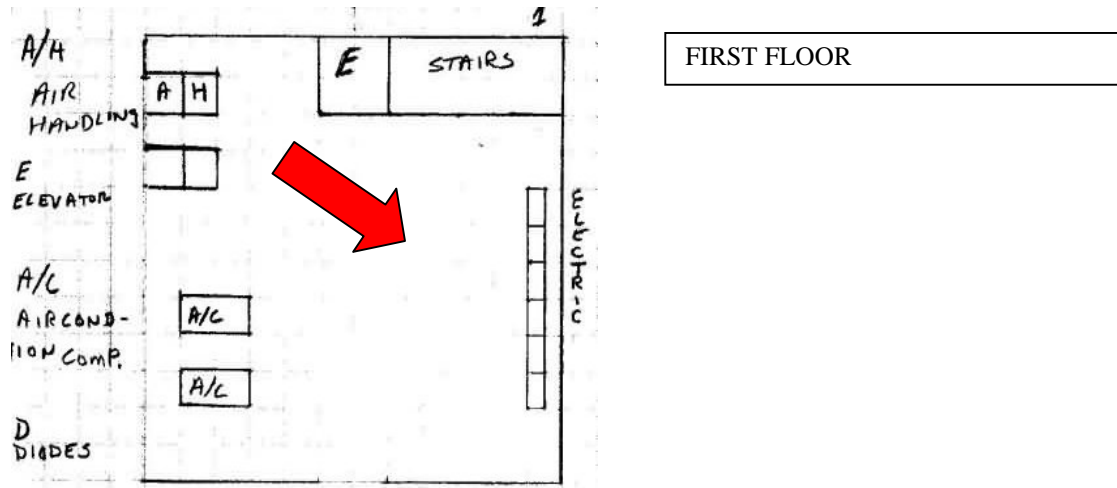
Point Arena AFS from Rick Chinn

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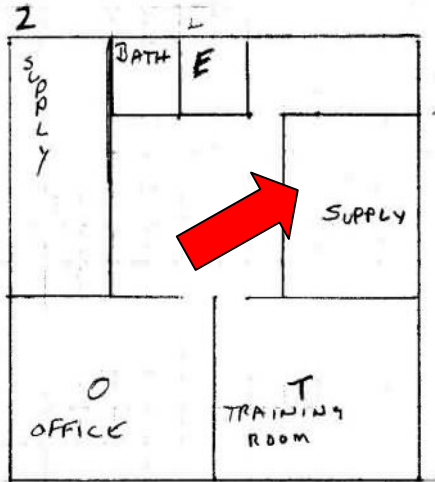
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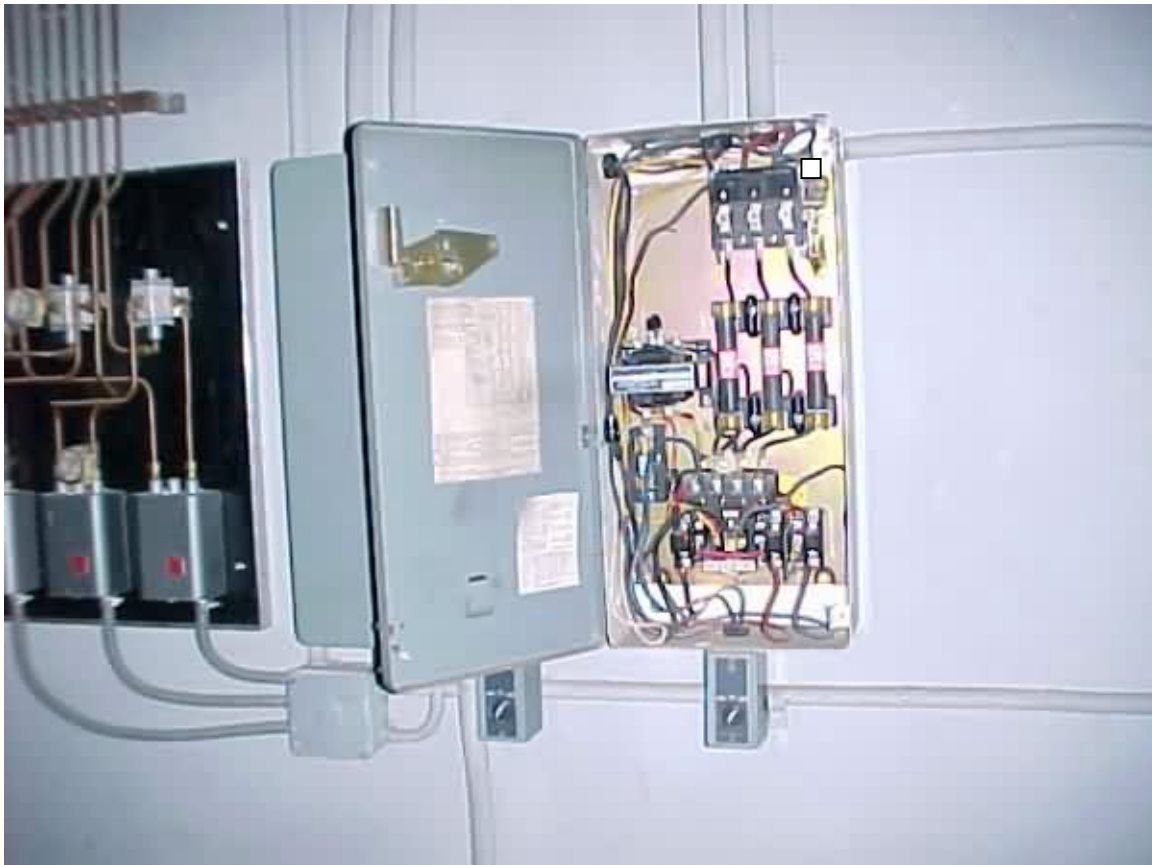
Data Integration by Steve Weatherly Jan 2012



SECOND FLOOR

“Controls and fuse boxes for the air handling equipment looking as if they had just come from the Honeywell factory.”

Comments from Alex Cheek.



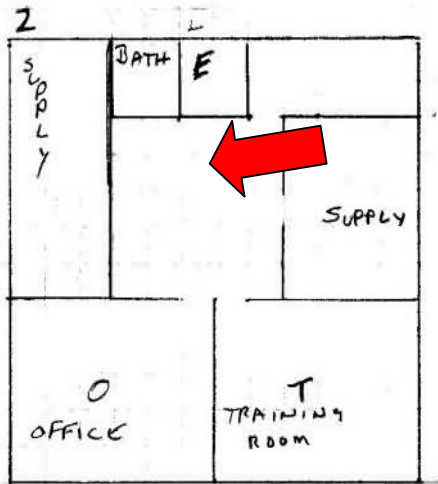
Winston-Salem AFS from Alex Cheek/radomes.org

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INTERIOR FPS-24 RADAR TOWER EQUIPMENT LAYOUT BY FLOOR

Based on Drawings by StanToler, Jr Winston-Salem AFS

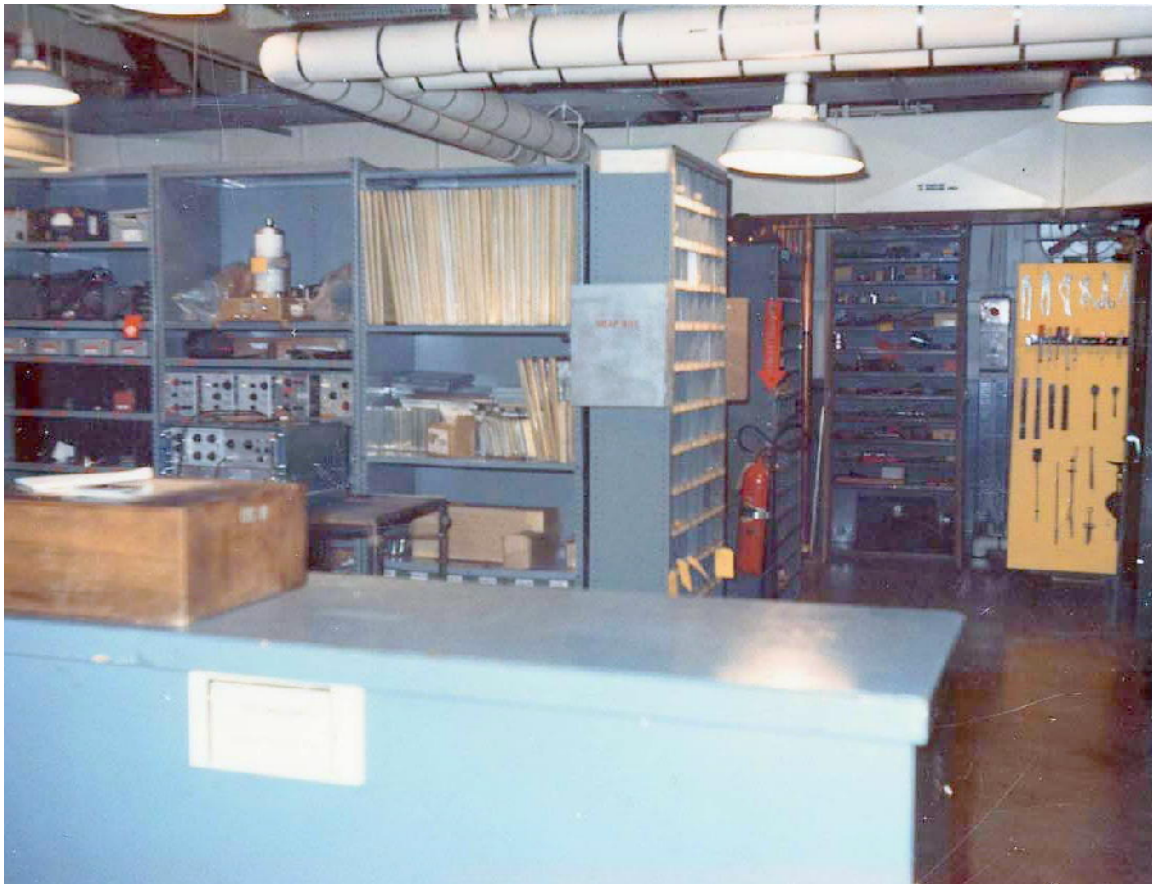
Data Integration by Steve Weatherly Jan 2012



SECOND FLOOR

At Mt Hebo AFS there was a personnel access door in the Training room (the bottom wall on the layout diagram). This door was connected by an elevated and enclosed passageway to the FPS-26A radar tower. The passageway was constructed of large metal culvert sections with "duckboards" on the bottom for a level walking surface.

Similar passageways connected most of the buildings on Mt Hebo AFS and provided year round protection from high winds, ice falling off the radar towers, and huge snowfalls.



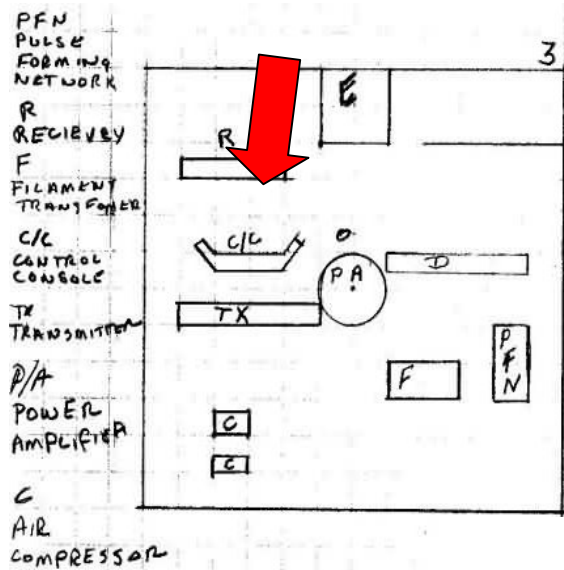
Mt Hebo AFS from Steve Weatherly/radomes.org

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INTERIOR FPS-24 RADAR TOWER EQUIPMENT LAYOUT BY FLOOR

Based on Drawings by StanToler, Jr Winston-Salem AFS

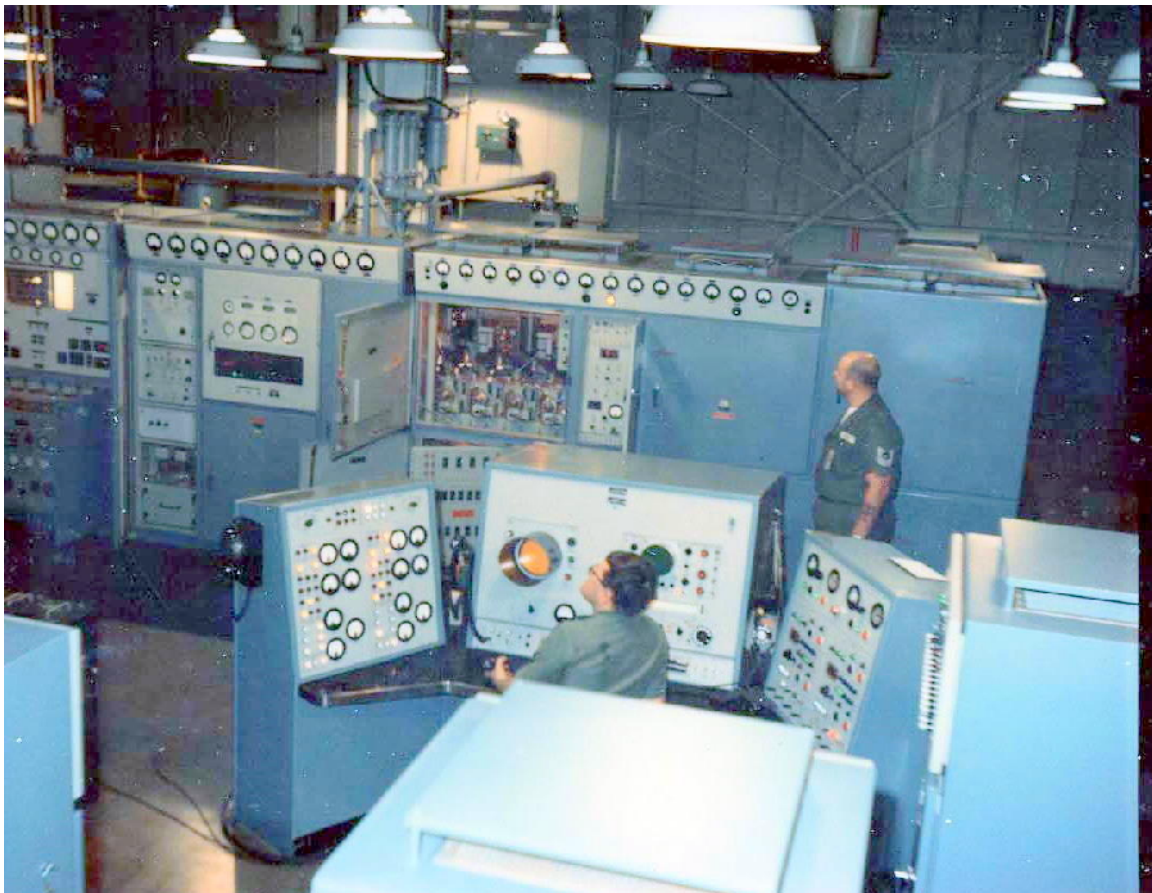
Data Integration by Steve Weatherly Jan 2012



THIRD FLOOR

Also located on this floor was the GLA-8 which provided additional processing for the FPS-24 transmitter and receiver.

Note the walls in the rear of the photo which were the exterior walls of the radar tower. Cross bracing was provided throughout the tower.



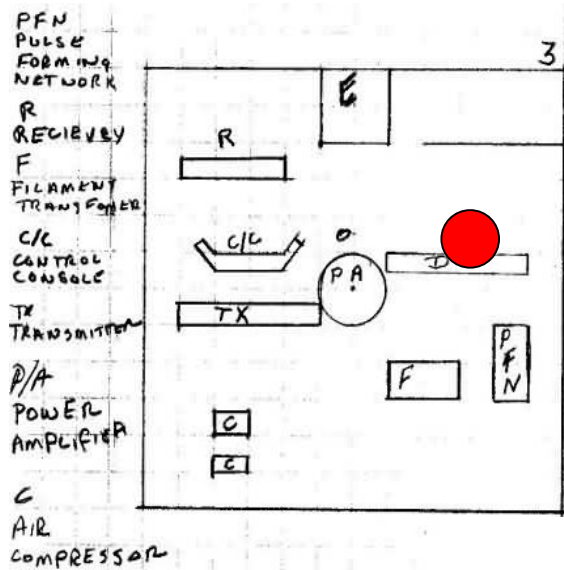
Mt Hebo AFS from Steve Weatherly/radomes.org

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INTERIOR FPS-24 RADAR TOWER EQUIPMENT LAYOUT BY FLOOR

Based on Drawings by StanToler, Jr Winston-Salem AFS

Data Integration by Steve Weatherly Jan 2012



THIRD FLOOR

The "RED DOT" indicates the location of the item pictured, or the place of interest.



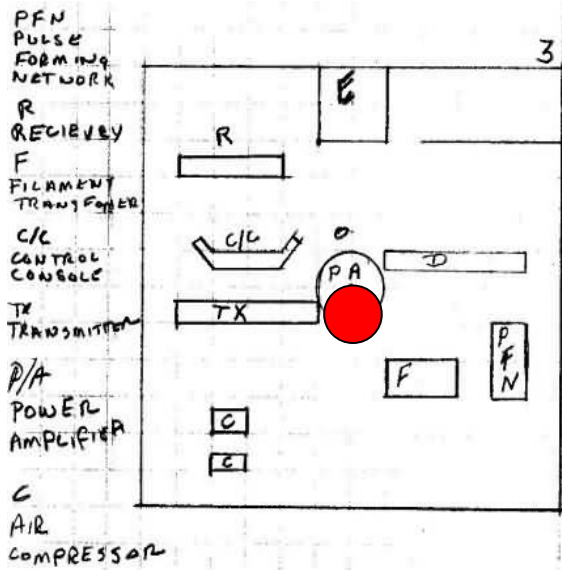
Dumont-Fairchild rectifier 5973 used at Winston-Salem AFS
from John Kessler's 810th AC&W Squadron Web Pages

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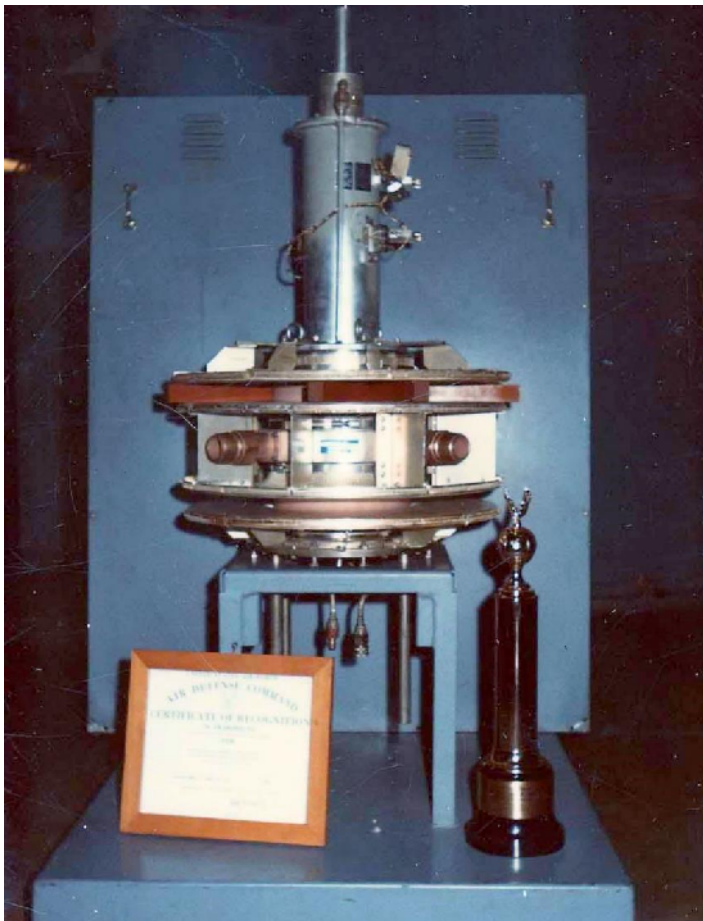
Data Integration by Steve Weatherly Jan 2012



THIRD FLOOR

Shown is an ADC "high value" tube award winner. The associated grids for the tube are not shown. This tube was water cooled and operated from within a large cylindrical "tank". This tank was large and included a pressure hatch at the top. The tank was about 8 feet in diameter and 8 feet high.

Current for the power triode filament was delivered by bus bars that were fastened to the ceiling of the floor below. These bus bars were easy to see from the floor below.



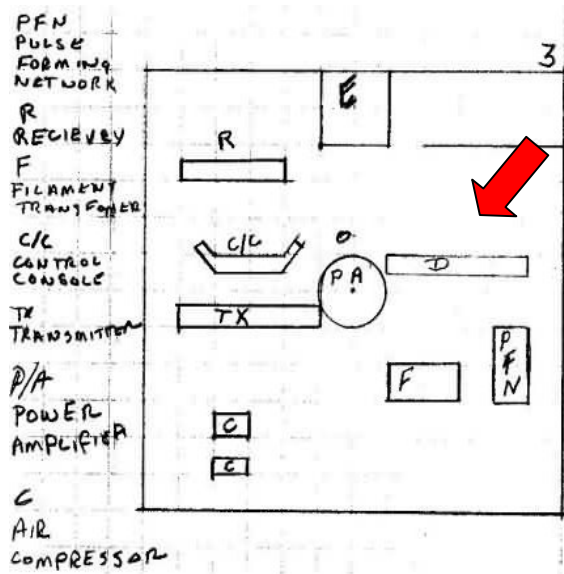
Power triode 7835 used at Mt Hebo AFS from Steve Weatherly/radomes.org

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INTERIOR FPS-24 RADAR TOWER EQUIPMENT LAYOUT BY FLOOR

Based on Drawings by StanToler, Jr Winston-Salem AFS

Data Integration by Steve Weatherly Jan 2012



THIRD FLOOR

Missing floor tiles indicate where there was equipment.



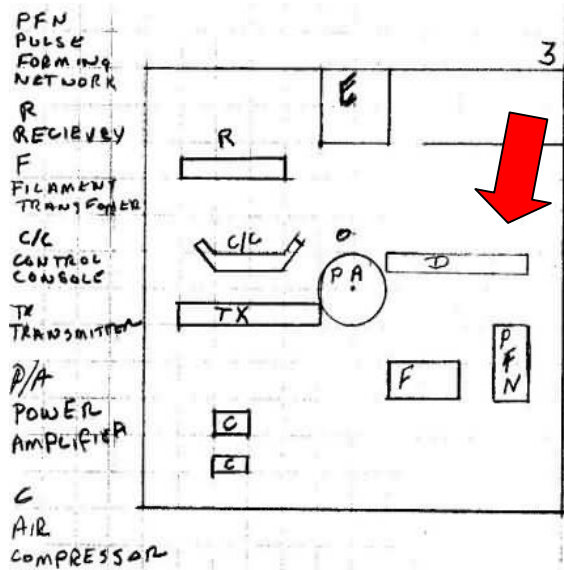
Point Arena AFS from Rick Chinn

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THIRD FLOOR



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